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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/666,897	09/17/2003	Peter B. Atanackovic	39230-0704	9081	
25213	7590 03/17/2004		EXAM	EXAMINER	
HELLER EHRMAN WHITE & MCAULIFFE LLP			JACKSON J	JACKSON JR, JEROME	
275 MIDDLEFIELD ROAD MENLO PARK, CA 94025-3506		ART UNIT	PAPER NUMBER		
	,		2815		

DATE MAILED: 03/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		MYC			
	Application No.	Applicant(s)			
	10/666,897	ATANACKOVIC ET AL.			
Office Action Summary	Examiner	Art Unit			
	Jerome Jackson Jr.	2815			
The MAILING DATE of this communication app	pears on the cover sheet with the c	orrespondence address			
Period for Reply		·->			
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on					
	—· s action is non-final.				
3) Since this application is in condition for allowa		osecution as to the merits is			
closed in accordance with the practice under E	·				
Disposition of Claims					
	•				
4) ☐ Claim(s) 66-113 is/are pending in the application4a) Of the above claim(s) is/are withdra					
5) Claim(s) is/are allowed.	withom consideration.				
6) Claim(s) is/are allowed.					
7) Claim(s) is/are rejected to.					
8) Claim(s) 66-113 are subjected to:	or election requirement				
,= ,,	or oloonon roquironiona.				
Application Papers					
9) The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) acc					
Applicant may not request that any objection to the	• • •	• •			
Replacement drawing sheet(s) including the correct		•			
11) ☐ The oath or declaration is objected to by the Ex	kaminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).			
a) ☐ All b) ☐ Some * c) ☐ None of:					
 Certified copies of the priority document 	s have been received.				
Certified copies of the priority document	s have been received in Applicati	on No			
Copies of the certified copies of the prio	rity documents have been receive	ed in this National Stage			
application from the International Burea	u (PCT Rule 17.2(a)).				
* See the attached detailed Office action for a list	of the certified copies not receive	∌d.			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail Da 5) Notice of Informal F	ate Patent Application (PTO-152)			
Paper No(s)/Mail Date .	6) Other:	, , , , , , , , , , , , , , , , , , ,			

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Art Unit: 2815

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

- I. Claims 66-69, 71-80,105,106,108-110,112, drawn to superlattice with a rare earth ion classified in 257 subclass 22.
- II. Claim 70, drawn to a laser system, classified in class 372, subclass 45+.
- III. Claims 81-86, drawn to an optical switch with coupling member and control circuitry, classified in class 359, subclass 237+.
- IV. Claim 87,113 drawn to an add/drop multiplexier, classified in class 359, subclass 333+.
- V. Claims 88-91, drawn to an NxN cross-connect, classified in class 359, subclass 333+.
- VI. Claim 92, drawn to an optical wavelength converter, classified in class 359, subclass 333+.
- VII. Claim 93, drawn to a dynamic gain equalizer, classified in class 359, subclass 333+.
- VIII. Claim 94, drawn to an integrated transponder, classified in class 359, subclass 333+.
- IX. Claim 95, drawn to an optical multiplexer/demultiplexer, classified in class 359, subclass 333+.
- X. Claims 96-99, drawn to optical waveguides with electronics, classified in class 359, subclass 333+.

- XI. Claims 100-103, drawn to an optical transistor, classified in class 359, subclass 333+.
- XII. Claim 104,111 drawn to an optical amplifier, classified in class 359, subclass 237+.
- XIII. Claims 107, drawn to a transponder, classified in class 359, subclass 237+.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Jackson Jr. whose telephone number is 571 272 1730. The examiner can normally be reached on t-th 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on 571 272 1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JEROME JACKSON PRIMARY EXAMINER